Wyse® Z class™

Built for when performance matters most.

WYSE

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse Z class: **All you need to know. Here.**

Introducing the Wyse Z class

Built for when performance matters most

Wyse Z class

The Wyse Z class brings unrivalled high performance to users demanding more from their virtual desktops. Seven models are available featuring Wyse Enhanced SUSE Linux, Windows Embedded Standard 2009 and Windows Embedded Standard 7 operating systems, and a cloud PC for use with Wyse WSM.

Thin clients

Z50S

Featuring Wyse Enhanced SUSE Linux Enterprise, the industry's only enterprise-quality Linux OS optimized by Wyse for thin computing.

Z50D

Highest performing dual-core thin client with all the security, flexibility, and market-leading usability of Wyse Enhanced SUSE Linux Enterprise.

Z90SW

High performance Windows Embedded Standard 2009 thin client for the most demanding Virtual Desktop Environments.

vmware READY

HDX

Z90DW

Highest-performing dual-core thin client based on Windows Embedded Standard 2009.

vmware READY

HDX

Z90S7

High performance thin client. Harnesses the rich user experience of Windows Embedded Standard 7.

vmware READY

HDX

Microsoft RemoteFX Enabled

Z90D7

High performance dual-core thin client based on Windows Embedded Standard 7.

vmware READY

HDX

Microsoft RemoteFX Enabled

Z90DE7

High performance dual-core thin client based on Windows Embedded Standard 7 with expansion capabilities through a PCIe expansion slot.

Microsoft RemoteFX Enabled

Cloud PC

Z00D

Highest-performing dual-core cloud PC for Wyse WSM.

Features Wyse Z class

New Wyse Z class is the ideal high performance cloud client that's perfectly suited to users who're increasingly demanding more from their virtual desktop environments – as well as the traditional cloud client benefits of security and management.

Featuring fast processing, accelerated graphics and multimedia, fast and flexible user connectivity and excellent energy-efficiency never seen before in a cloud client, new Wyse Z class delivers uncompromising high performance when users need it most.

Performance

Connectivity

Mounting options

Green

Microsoft Windows Embedded Standard 2009

Microsoft Windows Embedded Standard 7

Take a tour of the Wyse Z class range

Operating Systems Microsoft Windows Embedded Standard 7

New Windows Embedded Standard 7 (WES 7) delivers a wealth of enhanced deployment, user experience and management benefits to Wyse desktops, mobiles and thin clients deployed across an organization's virtualized network.

Richer user experience.

Wherever they are - deskbound or mobile - with Microsoft Windows Embedded Standard 7 your users can benefit from the rich user experience of the Aero interface and the power, familiarity and reliability of the Windows 7 operating system in a highly customizable and componentized form.

Full support is provided for Remote Desktop Protocol (RDP) 7.1 with RemoteFX technology to provide seamless connectivity to Windows Server 2008 R2 and virtual desktop infrastructure scenarios. The Wyse-enhanced WES7 platforms include additional features supporting the latest Citrix Online Plug-in and VMware View 4.6 to fit the needs of your most sophisticated users and making it an optimum OS for organizations wanting broad support for Cloud computing and desktop virtualization. Citrix Online Plug-in provides the HDX user experience and View 4.6 provides localization and Virtual Printing.

The platform also features additional Windows technology innovations to drive rich, immersive user experiences, including Internet Explorer 8. There's full support and inbuilt flexibility too, to add and support a host of desktop peripherals with permission from the IT administrator.

Easier to manage and deploy.

Now, with WES7, deploying 32-bit capable thin clients is easier and more manageable than ever before and reflects the direct working relationship between Wyse and Microsoft. The support for Domain Join and group policies through Active Directory, help with management and integration of thin clients into existing desktop management infrastructures.

Wyse Configuration Manager delivers unprecedented simplicity to the management of virtual desktops by allowing IT departments to auto-configure thin clients running Wyse-enhanced Windows Embedded Standard. By automating the deployment of WES thin clients throughout a private cloud WCM offers multiple benefits to organizations: reducing the need to do imaging, deploying custom images and faster configuration updates. Client devices are updated with the latest configuration settings for VDI connections (RDP, Citrix, VMware View), device settings and OS configuration automatically when devices startup.

Wyse Device Manager (WDM) addresses key management requirements. With its centralized management and administration, WDM helps IT departments deliver more effective remote thin client support while minimizing end user downtime. In addition, the Wyse USB Firmware Tool allows IT and Customer Service staff to quickly and easily image the devices directly.

Enterprise-wide consistency.

Wyse Embedded Standard 7 and Wyse provide the ideal, cost effective opportunity to deploy a consistent, high performance operating system across Wyse cloud clients.

Continue tour

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Technical Wyse Z class specifications

The Wyse Z class family features Wyse Enhanced SUSE Linux, Microsoft Windows Embedded Standard 2009 and Windows Embedded Standard 7 operating systems, as well as cloud PC software via Wyse WSM.

Want to learn more? Simply click the relevant icon.

Cloud clients

Wyse Z class specifications

Wyse Enhanced SUSE Linux

Microsoft Windows Embedded Standard 2009

Microsoft Windows Embedded Standard 7

Cloud software

Cloud PC Provisioning

Specifications

Wyse Z50S & Z50D, Z90SW & Z90DW, Z90S7 & Z90D7 thin clients and Z00D cloud PC.

Processors	AMD G-T52R 1.5 GHz Processor with AMD Radeon™ HD 6310 Graphics Dual core AMD G-T56N 1.65 GHz Processor with AMD Radeon™ HD 6310 Graphics
Memory	Z50S & Z50D 2GB Flash / 2GB DDR3 RAM Z90SW & Z90DW 2GB Flash / 2GB DDR3 RAM Z90S7 & Z90D7 4GB Flash / 2GB DDR3 RAM Z00D 0GB Flash / 2GB DDR3 RAM Expandable up to 32GB Flash / 4GB DDR3 RAM
I/O peripheral support	One DisplayPort. (Optional DisplayPort to DVI-I adapter available) One DVI-I port. DVI to VGA (DB-15) adapter included Six total USB ports: Four USB 2.0 ports (two front, two rear) and Two SuperSpeed USB 3.0* ports on rear (backwards compatible with USB 2.0) Enhanced USB Keyboard with Windows Keys (104 keys) and PS/2 mouse port PS/2 Optical mouse included **Factory options:** Legacy connectivity - adds 2 serial ports, 1 parallel port and 1 PS/2 keyboard port
Networking	10/100/1000 Gigabit Ethernet **Factory options:** Dual Band 802.11 a/b/g/n Wireless Fiber NIC network connectivity
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate DisplayPort: 2560x1600@32bpp DVI-I: 1920x1200@32bpp Dual display: 1920x1200@32bpp
Audio	Output: 1/8-inch mini jack, full 16 bit stereo, 48KHz sample rate, Digital Audio Out, Internal Mono speaker Input: 1/8-inch mini jack, 8 bit stereo microphone

Physical characteristics	Height: 7.87 inches (200mm) Width: 1.85 inches (47mm) Depth: 8.85 inches (225mm)
Weight	2.47 lbs. (1.12kg)
Mountings	Vertical feet standard Horizontal feet optional Optional VESA mounting bracket
Device Security	Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz. Energy Star V.5.0 Phase V external and EuP compliant power adapter Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: Under 15 Watts
Temperature Range	Operating: 32° to 104° F (10° to 40° C), horizontal and vertical positions Storage : 14° to 140° F (-10° to 60° C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Safety Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant Energy Star & EPEAT listed** (pending)
Warranty	Three-year limited hardware warranty

AMD Fusion FAMILY OF APUs EMBEDDED TECHNOLOGY

USB

* Support for SuperSpeed USB 3.0 is currently not available in Wyse SUSE Linux.

** Not applicable to some option/memory configurations.

Specifications

Wyse Z90DE7 thin client.

Processor	Dual core AMD G-T56N 1.65 GHz Processor with AMD Radeon™ HD 6310 Graphics
Memory	Z90DE7 4GB Flash / 2GB DDR3 RAM Expandable up to 32GB Flash / 4GB DDR3 RAM
I/O peripheral support	One DisplayPort. (Optional DisplayPort to DVI-I adapter available) One DVI-I port. DVI to VGA (DB-15) adapter included Six total USB ports: Four USB 2.0 ports (two front, two rear) and Two SuperSpeed USB 3.0* ports on rear (backwards compatible with USB 2.0) Enhanced USB Keyboard with Windows Keys (104 keys) and PS2 mouse port PS/2 Optical mouse included **Factory options:** Legacy connectivity - adds 2 serial ports, 1 parallel port and 1 PS/2 keyboard port
Networking	10/100/1000 Gigabit Ethernet **Factory options:** Dual Band 802.11 a/b/g/n Wireless Integrated smart card reader
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate DisplayPort: 2560x1600@32bpp DVI-I: 1920x1200@32bpp Dual display: 1920x1200@32bpp
Audio	Output: 1/8-inch mini jack, full 16 bit stereo, 48KHz sample rate, Digital Audio Out, Internal Mono speaker Input: 1/8-inch mini jack, 8 bit stereo microphone

Physical characteristics	Height: 8.46 inches (215mm) Width: 2.72 inches (69mm) Depth: 8.85 inches (225mm)
Weight	3.5 lbs. (1.59kg)
Mountings	Vertical feet standard Horizontal feet optional Optional VESA mounting bracket
Device Security	Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz. Energy Star V.5.0 Phase V external and EuP compliant power adapter Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: Under 15 Watts**
Temperature Range	Operating: 32° to 104° F (10° to 40° C), horizontal and vertical positions Storage : 14° to 140° F (-10° to 60° C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Safety Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant Energy Star & EPEAT listed*** (pending)
Warranty	Three-year limited hardware warranty

AMD Fusion FAMILY OF APUs EMBEDDED TECHNOLOGY

USB

* Support for SuperSpeed USB 3.0 is currently not available in Wyse SUSE Linux.

** Can use up to 35 watts with the expansion slot occupied and operational.

*** Not applicable to some option/memory configurations.

Software specifications

Wyse enhanced SUSE Linux

Firmware features	Wyse enhanced SUSE Linux based on SLED 11 SP1 Automatic Central Configuration (text-based INI's) Automatic Upgrades (FTP, HTTP, HTTPS) Secure, read-only file system with lockdown abilities Wyse RDP client (RDP7 Compatible) Citrix Online Plugin 11.2 client (ICA 11.2) w/ HDX Mediastream, Plug-n-Play, Realtime, etc. VMware View Open Client compatible with View 4.5 Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect Cisco, Juniper, Nortel, IPSEC VPN Support (Add-ons) Local/Remote Printing support (CUPS, LPR/LPD, Samba, ThinPrint,etc) Web-based applications (Firefox, Flash, JAVA,etc) XDMCP SSH
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Microsoft Windows Terminal Server 2003 & 2008
Keyboard language support	100+ Keyboard Layouts supported locally (English, German, Spanish, French, Italian, Dutch, Chinese, Japanese, Turkish)
Management	Automatic, "hands-off" configuration and upgrading of thin clients without the need for device management software. Optionally, administrators can choose to integrate with Wyse Device Manager (WDM) for more hands-on control: - Complete image upgrade - Wake terminal remotely (Wake-on LAN) - Remote screen shadowing of entire desktop (VNC) - Asset management and reporting

Wireless support	WPA Personal, WPA2 Personal, WPA Enterprise WPA Enterprise Authentication support PEAP/TLS: PAP/MSCHAP/MSCHAPV2 support
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Wyse Virtual Desktop Accelerator Delivers the best user experience for the allocated network bandwidth. Wyse Virtual Desktop Accelerator neutralizes the effects of network latency and packet loss, making cloud client computing more suitable for more remote-site, branch, or field-based users - and boosts RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

Software specifications

Microsoft Windows Embedded Standard 2009

Firmware features	Microsoft Windows Embedded Standard 2009 Microsoft Internet Explorer 8.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 7.0 resident Citrix Online Plugin 11.2 resident (ICA 11.2) VMware View 4.0.1 client resident Ericom PowerTerm InterConnect Terminal Emulation Ericom PowerTerm WebConnect client Windows Media Player 11, .NET 3.5
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Ericom PowerTerm WebConnect Microsoft Windows Terminal Server 2003 & 2008
Application Framework	.Net 3.5
Security	File Based Write Filter (FBWF) Microsoft Baseline Security Analyzer (MBSA)
Set-up and Configuration	Boot from local flash Microsoft Windows WES7 user interface languages: U.S, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Wake terminal remotely (Wake-on LAN) Terminal configuration (IP information, name, etc.) Remote screen shadowing of entire desktop (Wyse Remote Shadow) Reporting, Asset management SMS / Altiris

Wireless support	802.11 a/b/g/n support with external wireless adapter or internal wireless adapter option* WPA-2, WEP, WPA wireless authentication PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client Supports PC-Card wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware*
Plug-ins	Adobe Flash Player Adobe Shockwave Microsoft Silverlight
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite of virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats ultilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

*requires hardware support

Software specifications

Microsoft Windows Embedded Standard 7

Firmware features	Microsoft Windows Embedded Standard 7 (WES7) Microsoft Internet Explorer 8.0 resident: HTML, JavaScript, XML, Citrix Web Interface Microsoft RDP 6.1 client (Protocol 7.1 Supported) with RemoteFX technology Citrix Online Plugin 12 resident (ICA 12) with HDX Citrix XenDesktop VMware View 4.6 client resident Ericom PowerTerm InterConnect Terminal Emulation Windows Media Player 12
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Microsoft Windows Terminal Server 2003 & 2008 R2 MSFT VDI
Security	File Based Write Filter (FBWF)
Set-up and Configuration	Boot from local flash Microsoft Windows WES7 user interface languages: U.S, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
Management	Auto-configuration with Wyse Configuration Manager Remote management, configuration, and upgrades through Wyse Device Manager Complete image upgrade Terminal configuration (IP information, name, etc.) Reporting, Asset management Simple USB imaging solution with Wyse USB Firmware Tool

Wireless support	802.11 a/b/g/n* support with external wireless adapter or internal wireless adapter option WPA-2, WEP, WPA wireless authentication PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client Supports PC-Card wireless adapters* from: Cisco, D-Link, Netgear, US Robotics, Trendware
Plug-ins	Adobe Flash Player Microsoft Silverlight
Wyse TCX Suite	Advanced support for innovative Wyse TCX Suite virtualization software that both works with and enhances ICA and RDP (instead of replacing them) featuring: - Multimedia acceleration - the power to run rich multimedia files formats utilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server. - Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor. - USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control. - Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise. - Flash acceleration - helps users of thin clients to experience improved Flash performance.
Wyse Virtual Desktop Accelerator	Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.

*requires hardware support

Software specifications

Wyse WSM

Device Hardware Requirements	Windows XP Pro - Minimum processor speed 800 MHz (1GHz or higher is recommended) - Mind. 256 MB (1GB or higher is recommended) Vista and Windows 7 - Minimum processor speed 1 GHz (1.5GHz or higher is recommended) - Mind. 1 GB (2GB or higher is recommended) - Flash size/local storage – none needed. If the device has flash it can be used as a local cache for offline mode.
Server Requirements	Minimum processor speed 1GHz (3GHz or higher is recommended). Server Operating System: Windows XP Pro SP3, Windows Server 2003, Windows Server 2008 and 2008 R2
Network Requirements	Server Lan Speed = Minimum 100Mbps (1Gbps and up is recommended) Device Lan Speed = Minimum 10Mbps (100 Mbps full duplex is recommended)
Operating Systems Supported	Microsoft Windows XP Microsoft Windows Vista Microsoft Windows 7
Databases supported	Microsoft SQL 2005 and 2008 (Server and Express Editions)
Built-in high Availability	- Database availability using SQL clustering. - Built-in server high availability through WSM Server Grouping feature. - Server to Server Fail-over Capability.
Fast and Easy Installation	- Installing Wyse WSM is simply a matter of running a single, graphical installer. - The installer checks for all the prerequisite components before installation.

Web-based Admin Console	- Allows IT administrators to access Wyse WSM from any browser. - Control the entire installation from a central location. - Dramatically simplifies administration, saving IT time and user downtime. - Wizards to guide the user through specific tasks.
Operation System and Application Imaging Tools	- Imaging tool simplifies the process of creating an OS image for the specific hardware configuration and an application image for all hardware configurations. - All OS and application images are ready for deployment once created, no further modifications needed.
Application Subscription Management	Use flexible application deployment methods: - Auto-subscribed applications are ready for use when user logs in for the first time. - Manual subscriptions allow users the flexibility to use applications only when needed. - Mandatory subscriptions that cannot be unsubscribed by users.
Protected System Drive	- Allows administrators to protect the system drive from end user initiated updates. - Prevents changes to operating system drive except by administrators, helping stop viruses, spyware, or malware from infecting the device.

Software specifications continued

Wyse WSM continued

Operating System Streaming	- Wyse WSM provides an on-demand operating system to Wyse cloud PCs or diskless PCs on the network. - Innovative technology makes each Wyse cloud PC or diskless PC think there is a virtual hard disk attached to the device. - Only those bits needed for the normal device operation are sent in order to reduce network traffic. - Operating-system images can be shared across multiple devices, making management easier.
Flexible Boot Options	- Each device can boot from four operating system image assignments. - Administrators can assign or let users choose which operating system they want to boot. - First disk mode for the default OS image to boot from every time device starts up. - First available mode to boot from the first responding server in order to balance loads.
Application License Management and Metering	- Wyse WSM provides the infrastructure to collect information about the application license-usage across the enterprise. This information allows IT organizations to save money associated with application licenses. - Licenses can be stored for all the applications deployed. It also enforces license compliance. - Types of licenses that can be controlled include: 1) Time-based licenses (valid for X days). 2) Number of concurrent users.

Modes of Operation	Wyse WSM allows administrators to choose modes of operation for the OS: - Private Mode – for administration of operating system images. - Shared Mode – has two additional modes of normal operation: 1) Volatile – returns desktop to pristine state after a device reboot. 2) Persistent – remembers any user settings after a device reboot.
Remote Servers for Scalability	- IT administrators can deploy multiple remote servers to improve scalability of the overall solution. - Central management of remote servers allows easy deployment of the solution across different geographic locations.
Comprehensive Reporting	- Easy ad-hoc reporting based on flexible parameters. - Reports are delivered through HTML, giving you the flexibility to output in any form. - License-metering reports can be used to make proactive purchasing decisions. - License-audit reports can be used for compliance purposes.
Desktop Compatibility	Wyse WSM works with Wyse C00LE, V00LE, R00L/E, Z00D and X00C family cloud PCs as well as with existing thin clients, diskless PCs and virtual-desktop systems.

Contact Wyse

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International customers please dial:

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Wyse Support Portal

Wyse Support Portal provides a fast and accurate way to communicate interactively with Wyse Customer Support, and helps us respond to your requests more quickly.

http://support.wyse.com/selfservice.html

Wyse offers cloud client computing sales, service and support expertise around the globe. Click for contact details.

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THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse® Z class™

Built for when performance matters most

WYSE

THE GLOBAL LEADER IN
CLOUD CLIENT COMPUTING

Wyse Z50S & Z50D, Z90SW & Z90DW, Z90S7, Z90D7 and Z90DE7 thin clients and Z00D cloud PC

High performance

Fast processing. Accelerated graphics and multimedia. Fast and flexible user connectivity. Excellent energy-efficiency.

From the instant the new Wyse Z class – the world's first self configuring windows-based Thin Client boots up – it delivers everything that today and tomorrow's users need in order to tackle the most demanding of virtual desktop environments.

At its heart beats the very latest single or dual core AMD G-Series Accelerated Processing Units or APUs, where all the processing, graphics and HD video tasks are performed on the same piece of silicon. Giving a dramatic leap in user experience and the ideal platform to reap the benefits of Wyse cloud, Virtualization and Management software.

High definition multimedia experience

Display, manipulate and work with stunning high definition multimedia graphics, voice and video in virtual desktop environments that are ready for Unified Communications. That's the promise the Wyse Z class more than delivers on, with great performance across 2D, 3D and HD video applications. Its new design takes them all in its stride and is the first to include hardware accelerated DirectX® 11 graphics with OpenGL 4.0 and OpenCL™ support.

Energy efficient

Throughout its long life span the Wyse Z class has the least possible impact on working environments and energy consumption.

Its low energy processor out-performs other more power hungry alternatives, while minimal heat emissions permit a fan-less design that lowers power requirements. It all adds up to an advanced high performance Thin Client that's compliant with the Energy Star Version 5.0*** Thin Client specification.

At a glance

Performance

The AMD Embedded G-Series platform is the world's first low power processor and advanced GPU that's integrated into a single embedded Accelerated Processing Unit (APU).

Connectivity

Two SuperSpeed USB 3.0* ports, four USB 2.0 ports, Gigabit networking connectivity, optional single (A/B/G) and dual-band (N) WiFi.

Wyse Enhanced SUSE Linux

Secure, flexible and market-leading Linux combined with Wyse optimizations in management and user experience.

Microsoft Windows Embedded Standard 2009 and 7

Take advantage of fast, secure and reliable access to the power of Windows Embedded Standard.

Thin client management

Wyse Device Manager supports Wyse Z class with scalable enterprise-wide management including simple deployment, patching and updates and asset management – all with secure end-to-end encrypted communications.

Wyse WSM provisioning software

Provides compact, energy efficient and productive 'Cloud PCs' with all the dynamic user experience of PCs – without their risks and complexities.

Green

Wyse Z class thin clients use under 15 watts** in idle mode – less than the nearest rivals; saving critical carbon output and vital energy budgets. Energy Star Version 5.0 Thin Client specification.

Call Wyse: 800 GET WYSE (800 438 9973)

wyse.com

Specifications

Processors	AMD G-T52R 1.5 GHz Processor with AMD Radeon™ HD 6310 Graphics (not available for Z90DE7) Dual core AMD G-T56N 1.65 GHz Processor with AMD Radeon™ HD 6310 Graphics
Memory	Z50S & Z50D 2GB Flash / 2GB RAM Z90SW & Z90DW 2GB Flash / 2GB RAM Z90S7 & Z90D7 4GB Flash / 2GB RAM Z00D 0GB Flash / 2GB RAM Z90DE7 4GB Flash / 2GB RAM Expandable up to 32GB Flash / 4GB RAM
I/O peripheral support	One DisplayPort. (Optional DisplayPort to DVI-I adapter available) One DVI-I port. DVI to VGA (DB-15) adapter included Six total USB ports: Four USB 2.0 ports (two front, two rear) and Two SuperSpeed USB 3.0* ports on rear (backwards compatible with USB 2.0) Enhanced USB Keyboard with Windows Keys (104 keys) and PS/2 mouse port PS/2 Optical mouse included Z90DE7: One PCIe 2.0 x4 slot with x16 expansion card, half card length, full height **Factory options:** Legacy connectivity - adds 2 serial ports, 1 parallel port and 1 PS/2 keyboard port
Networking	10/100/1000 Gigabit Ethernet **Factory options:** Dual Band 802.11 a/b/g/n Wireless Fiber NIC network connectivity Z90DE7: Integrated smart card reader
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate DisplayPort: 2560x1600@32bpp DVI-I: 1920x1200@32bpp Dual display: 1920x1200@32bpp
Audio	Output: 1/8-inch mini jack, full 16 bit stereo, 48KHz sample rate, Digital Audio Out, Internal Mono speaker Input: 1/8-inch mini jack, 8 bit stereo microphone
Physical characteristics	Height: 7.87 inches (200mm), Z90DE7: 8.46 inches (215mm) Width: 1.85 inches (47mm), Z90DE7: 2.72 inches (69mm) Depth: 8.85 inches (225mm)
Weight	2.47 lbs. (1.12kg), Z90DE7: 3.5 lbs. (1.59kg)
Mountings	Vertical feet standard / Horizontal feet optional Optional VESA mounting bracket
Device Security	Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz. Energy Star V.5.0 Phase V external and EuP compliant power adapter Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: Under 15 Watts**
Temperature Range	Operating: 32° to 104° F (10° to 40° C), horizontal and vertical positions Storage : 14° to 140° F (-10° to 60° C)
Humidity	20% to 80% condensing 10% to 95% non-condensing
Safety Certifications	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant Energy Star & EPEAT listed*** (pending)
Warranty	Three-year hardware warranty

* Support for SuperSpeed USB 3.0 is currently not available in Wyse SUSE Linux.

** Z90DE7 can use up to 35 watts with the expansion slot occupied and operational.

*** Not applicable to some option/memory configurations.

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Wyse Support Portal:
A fast and accurate way to communicate interactively with Wyse Customer Support.
http://support.wyse.com/selfservice.html

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